

Please add the following new claims 14-20:

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14. (New) A method for bleaching medium consistency cellulose pulp comprising the steps of providing a stream of said cellulose pulp, generating a stream of ozone-containing gas having an ozone concentration of at least 20% by weight, and radially injecting said stream of ozone-containing gas into said stream of cellulose pulp so as to provide a stream of bleached cellulose pulp without using a high-shear mixer during said steps, wherein said ozone-containing gas has a mean residence time of about 10 to about 40 seconds in said cellulose pulp.

15. (New) The method of claim 14, wherein said ozone-containing gas has an ozone concentration of more than 300 g/m<sup>3</sup>.

16. (New) The method of claim 14, wherein said bleaching step is conducted without using an upflow bleach tower.

17. (New) The method of claim 14, wherein said bleaching step is conducted without using a mixer.

18. (New) The method of claim 14, wherein the injection of said stream of ozone-containing gas into said stream of cellulose pulp creates a gas void of no more than 12%.

19. (New) The method of claim 10, wherein sufficient number of nozzles are provided for even distribution of said ozone-containing gas in said stream of cellulose pulp.

20. (New) A method for bleaching medium consistency cellulose pulp comprising the steps of providing a stream of said cellulose pulp, generating a stream of ozone-containing gas which is substantially free from chlorine and has an ozone concentration of at least 20% by weight, and radially injecting said stream of ozone-containing gas into said stream of cellulose pulp so as to provide a stream of bleached cellulose pulp without using a high-shear mixer during said steps.

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